User

Thursday, 18/09/2008 11:12:46 AM

Julie Lecocq

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

Job Number : 42096

Estimate Number : 13030

P.O. Number

First Issue

Written By

Previous Run

This Issue Prsht Rev.

: 18/09/2008

: NC

: //

: 39934

Type

: SMALL /MED FAB

Part Number

Drawing Name

Drawing Number Project Number

: D3650 REV.B : N/A : B

: D36505

Drawing Revision

Material **Due Date**

: 25/09/2008

: WELDMENT TOP PANEL

Qty:

5 Um:

Each

Checked & Approved By

Comment

S.O. No. :

07-09-27 : Est Rev:A New Issue

Est Rev:B ECN 1113P 08-01-22 DD

ecn1162 Est Rev:C

08-04-02

DD verified by: EC

DD verified by: EC

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

M304S26GA

304/316 0.018 SHEET

Comment: Qty.:

0.8537 sf(s)/Unit Total:

4.2683 sf(s)

304/316 SS sheet 26 ga (0.018" thick)

Batch: 108415

2.0 WATER JET



Comment: FLOW WATER JET

1-Cut as per Dwg D3650

Dwg Rev. <u>S</u>

2-Deburr if necessary

3.0

QC2

INSPECT PARTS AS THEY COME OFF MACHINE



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

4.0

QC8

SECOND CHECK



Comment: SECOND CHECK

5.0

BRAKE NC

NC BRAKE

Comment: NC BRAKE

Form as per Dwg D3650

Dart Aerospa	ce L	td
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Dart Ae	rospace	Lia							
W/O:			V	ORK ORDER CHANGE	S				,
DATE	STEP	PROCI	PROCEDURE CHANGE				Qty	Approval Chief Eng /	Approval QC Inspector
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-	1								
				,				·	t t
						-			
Part No	:	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQ	A :	_ Date: _	-
	. В	esolution:	Disposit	ion:	QA: N/C CI	osed:		Date:	
NCR:		Wo	ORK ORI	DER NON-CONFORMAN	NCE (NCR	()			
		Description of NC		Corrective Action Section		Verific	ration	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		Verification Section C	Chief Eng	QC Inspector
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NOTE: Date & initial all entries

Thursday, `18/09/2008 11:12:46 AM Date: User: € Julie Lecocq **Process Sheet Drawing Name: WELDMENT TOP PANEL** Customer: CU-DAR001 Dart Helicopters Services Part Number: D36505 Job Number: 42096 Job Number: Seq. #: Description: Machine Or Operation: INSPECT WORK TO CURRENT STEP 6.0 QC5 WORK TO CURRENT STEP D36507 Seal 7.0 1.0000 Each(s)/Unit Total: 5.0000 Each(s) Comment: Qtv.: batch 13 42 148 8.0 D36509 Angle 1.0000 Each(s)/Unit Total: 5.0000 Each(s) Comment: Qty.: **ANGLE** WASHER 9.0 AN960C4 Comment: Qty.: 12.0000 Each(s)/Unit Total: 60.0000 Each(s) WASHER M126431 batch RIVET 10.0 NAS9307M403 12.0000 Each(s)/Unit Total: 60.0000 Each(s) Comment: Qty.: **RIVET** C 13523 4-03 batch MS20427M3 11.0 Comment: Qty.: 8.0000 Each(s)/Unit Total: 40.0000 Each(s) Rivet batch Nut Plate 12.0 MS210603K 2.0000 Each(s)/Unit Total: 10.0000 Each(s) Comment: Qty.: **Nut Plate** batch

Dart Aerospace L	Dart A	lero:	spac	e Ltd
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W/O:		WORK ORDER CHANGES										
DATE STEP		PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
			_				·					
					-		,					
 							-					

Part No: _		PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
	_	Description of NC		Corrective Action Section B			Annroyal	
DATE STEP		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto
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NOTE: Date & initial all entries

Thursday, 18/09/2008 11:12:46 AM Date: User: Julie Lecocq **Process Sheet Drawing Name: WELDMENT TOP PANEL** Customer: CU-DAR001 Dart Helicopters Services Part Number: D36505 Job Number: 42096 Job Number: Description: Seq. #: **Machine Or Operation:** MS210623K Nut Plate 13.0 Comment: Qty.: 2.0000 Each(s)/Unit Total: 10.0000 Each(s) **Nut Plate** 14.0 Comment: Assemble as per dwg D3650 INSPECT WORK TO CURRENT STEP QC5 15.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING RESOURCE #1 PACKAGING 1 16.0 Comment: PACKAGING RESOURCE #1 Identify and stock 8 58/100/02 del Location 17.0 QC21 FINAL INSPECTION/W/O RELEASE Comment: FINAL INSPECTION/W/O RELEASE Job Completion

Dart Aerospace Li

j	WORK ORDER CHANGES						
STEP	'	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	• •						
	i						
	STEP		STEP PROCEDURE CHANGE	STEP PROCEDURE CHANGE By	STEP PROCEDURE CHANGE By Date	STEP PROCEDURE CHANGE By Date Qty	PROCEDURE CHANGE By Date Qty Chief Eng / Prod Mgr

Part No: <u>D3650-5</u> PAR	#: NA Fault Category: Rod	FAB. POS' mad NCR: (Yes No	DQA:	Date: 09 10/03
D3654-041/D3648. Resolution:	OY(たるの5~~~	QA: N/C Closed	1: 💭	Date: 00/10103

NCR: Ц	2096	WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section B Action Description	Sign &	Verification Section C	Approval Chief Eng	Approval QC Inspector
		D3650 -9 was metalled on wang	Chief Eng	Chief Eng	Date	Section C	Criter Eng	QC Inspector
10/8	#	Side.		Dr. ll out & Rich and listall on correct side.	08/10/01			
elale	140	RC employee and OC missed load Doug.	posion	$(\tau, 0)$		8 (46) s)	histur	०४।०४।३५
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Polosk	5, 1	hote inside new bester of riet						

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order: リスクル
Description: Fwd Panel	Part Number: D3650-5
Inspection Dwg: D3650 Rev: B	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X	First Article	Prototype
	Actual	

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.098	+0.004/-0.001	.101	26			
Ø0.213	+0.005/-0.001	,217	X.			
0.40	+/-0.030	1403	7			
1.17	+/-0.030	1,17	¥			2
11.71	+/-0.030	ורוו	*			
10.11	+/-9.030	10.11	*			
5.87	+/-0.030	5.87	عد			
1.93	+/-0.030	1.927	*			
8.23	+/-0.030	8.23	*			
9.18	+/-0.030	9.18	X		-	
10.45	+/-0.030	10.45	×			
11.69	+/-0.030	11.69	89			
1.14	+/-0.030	1.138	>			
8.34	+/-0.030	8.34	¥			
			,			· · · · · · · · · · · · · · · · · · ·
			7			
Measured by: 10		Audited by:	7		Prototype Apr	proval: N/A

Measured by:	1B	Audited by:	Prototype Approval:	N/A
Date:	8-9-22	Date: 08/69/22	Date:	N/A

Rev	Date	Change	Revised by∧	Approved
Α	08.04.17	New Issue	KJ/DD 👯	
				•

D3650-1 AFT PANEL-D3650-3 CENTER PANEL D3650-5 FWD PANEL-D3650-9 ANGLE (REF) D3650-7-8.19 SEAL (REF)

D3650-041 TUNNEL TOP PANEL ASSEMBLY

NOTES:
1) SEAL ALL MATING SURFACES AND ALL GAPS USING PROSEAL 700 FIRE WALL SEALANT
2) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
3) UNITS: INCHES UNLESS OTHERWISE NOTED
4) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
5) IDENTIFICATION: NONE
6) TORQUE FASTENERS 15 TO 25 in-lb
7) WEIGHT: 3.3 lbs

AN3C-3A BOLT (1)
AN960C10 WASHER (1)
(8 PLACES) _D3650-5 FWD PANEL (REF) -D3650-3 CENTER PANEL (REF) -D3650-1 AFT PANEL (REF)

QTY -041	PART NUMBER	DESCRIPTION
X	D3650-041	TUNNEL TOP PANEL ASSEMBLY
1	D3650-1	AFT PANEL
1	D3650-3	CENTER PANEL
1	D3650-5	FWD PANEL
		•
8	AN3C-3A	BOLT
8	AN960C10	WASHER

DESIGN	4	RF	DAPT AFPOSPA	CEL	רח
REV.			DESCRIPTION	BY	DATE
Α	NEW IS	SUE		RF	07.11.07
В	UPDATI SHEETS VIEWS SHEET ADDED SHEET UPDATI SHEET CUTOU ADDED SHEET	ED VIEWS S 3 & 8: REMO 4: 1.8 WAS 1.5 NOTE 8 5: REMOVED ED VIEWS 6: REMOVED/ T TO D3650-3I DETAIL I	DATED FASTENER QUANTITIES; VED/RELOCATED HOLES; UPDATED i; 1.0 WAS 0.8; UPDATED VIEW; NOTE IN C6 & ASSOCIATED DIMS; RELOCATED HOLES & ADDED ; MOVED D3650-11/-11F TO SHEET 9; D D3650-11/-11F FROM SHEET 6; 3650-11/-11F	RF	08.01.07

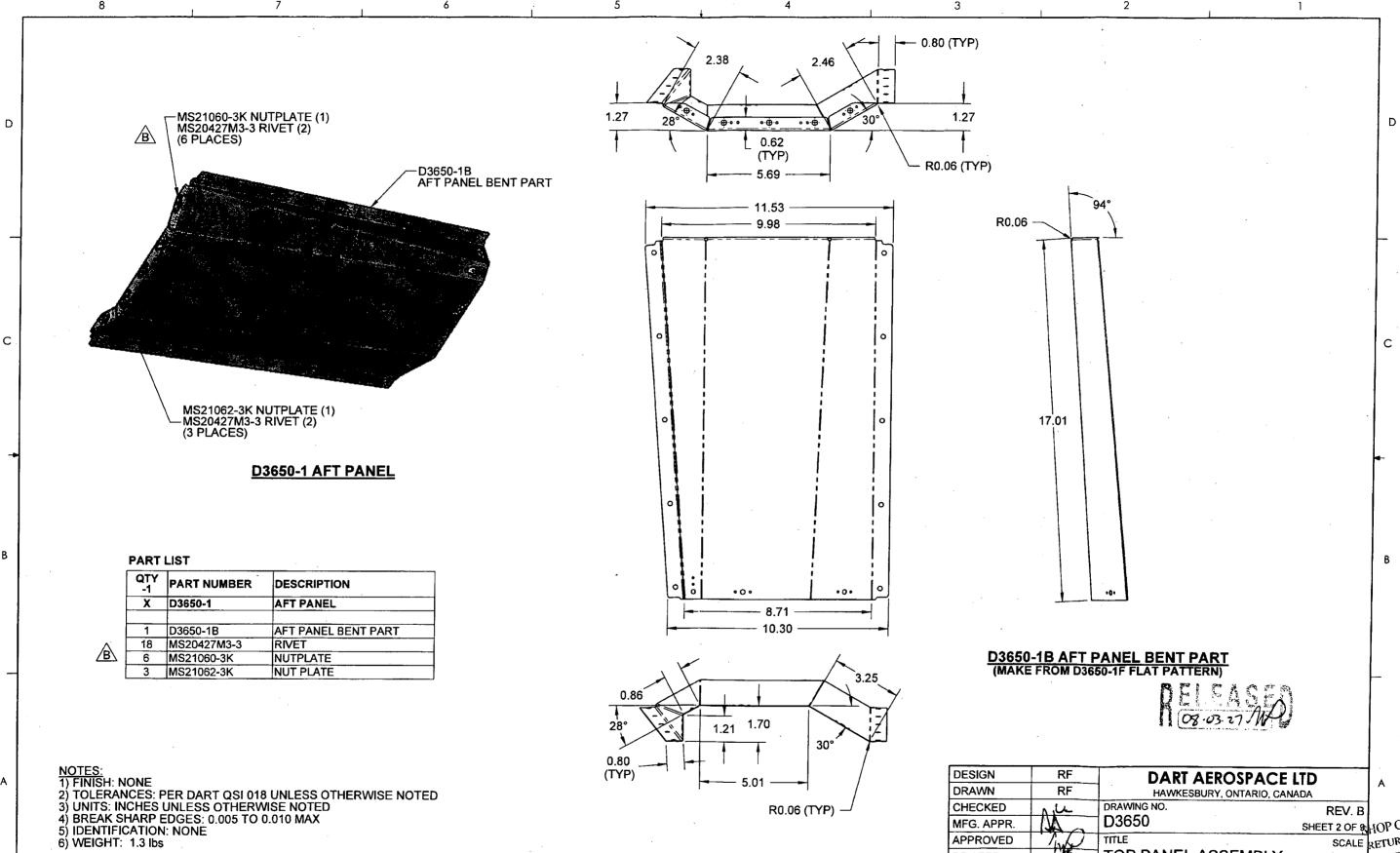
I KEV.		DESCRIPTION		DATE		
DESIGN	RF	DART AEROSPACE LTD				
DRAWN	RF	HAWKESBURY, ONTARIO,				
CHECKED	NE	DRAWING NO.		REV. E		
MFG. APPR.	M	D3650		SHEET 1 OF		
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08.01.07

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SUBJECT TO AMENDMENT WITHOUT NOTICE

DATE



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MFG. APPR.	- W	□ D3650	SHEET 2 OF 9	HOP COPY
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DE APPR. TOP PANEL ASSEMBLY

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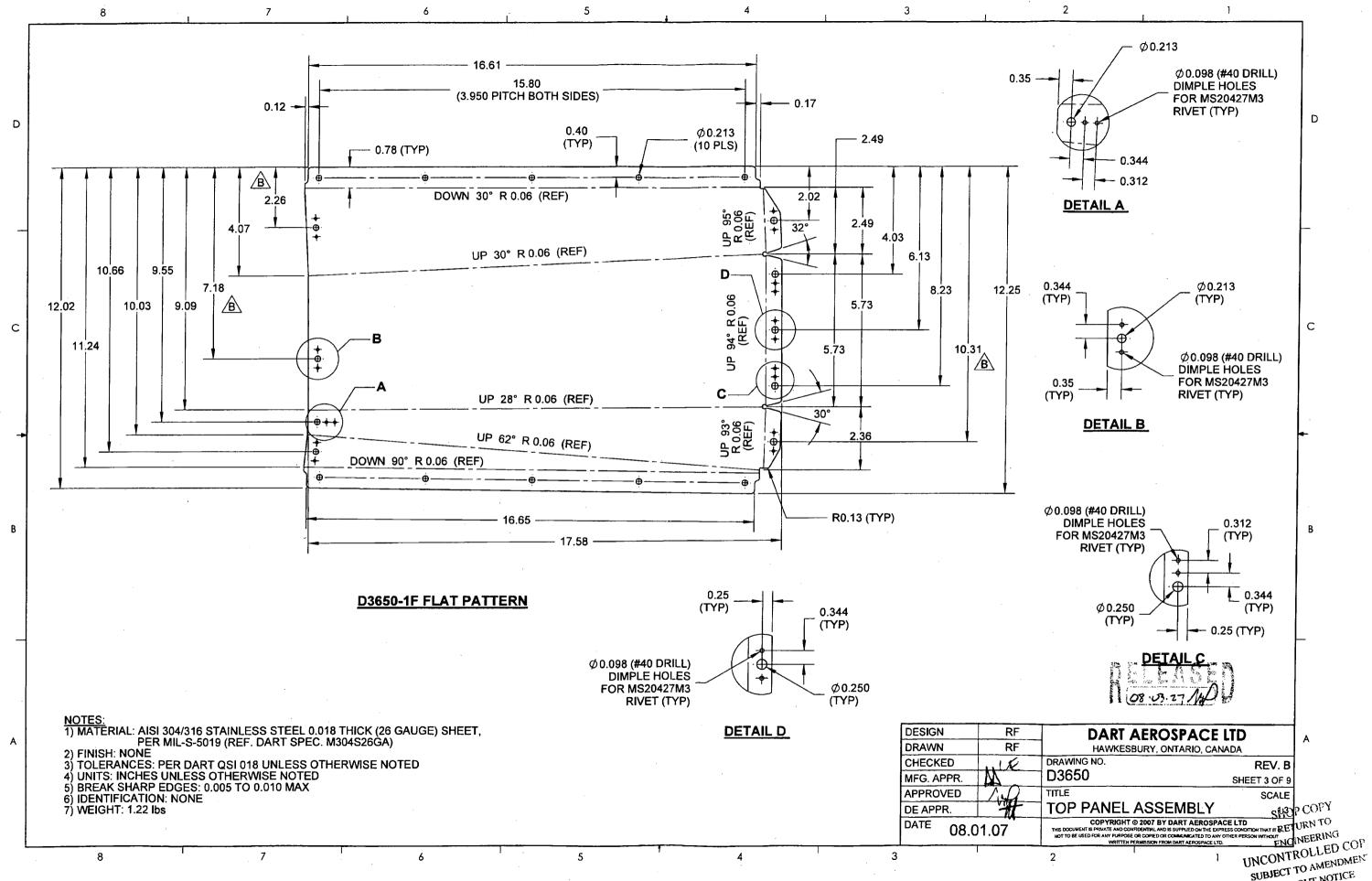
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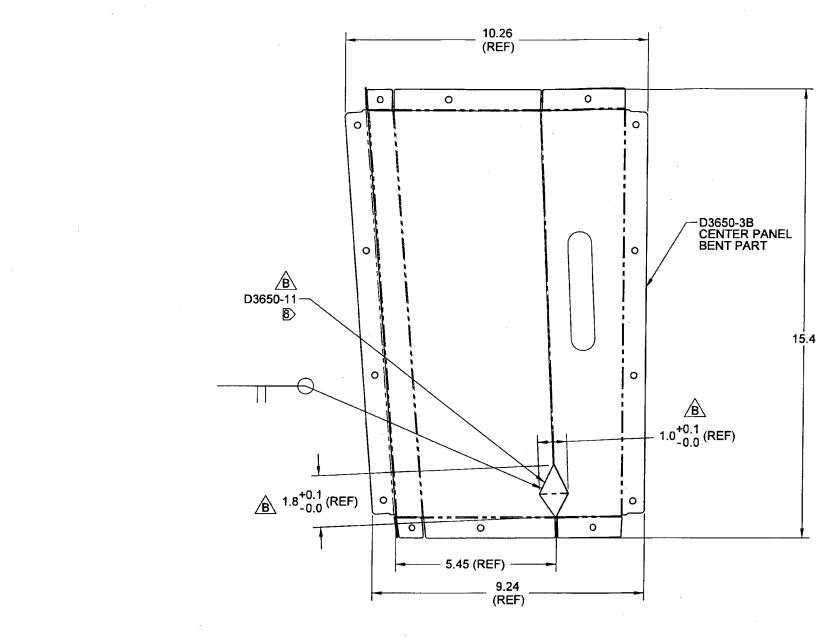
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DATE 08.01.07

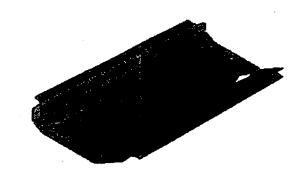
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D3650-3 CENTER PANEL



PART LIST

QTY -3	PART NUMBER	DESCRIPTION
Х	D3650-3	CENTER PANEL
1	D3650-3B	CENTER PANEL BENT PART
1	D3650-11	FILLER PLATE

DESIGN	RF	DART AEROSPACE LTD A
DRAWN	RF	HAWKESBURY, ONTARIO, CANADA
CHECKED	···LE	DRAWING NO. REV. B
MFG. APPR.	JX/	D3650 SHEET 4 OF 9 OPY
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DE APPR.		TOP PANEL ASSEMBLY RETURN TO RETURN TO
DATE 08.0)1.07	COPYRIGHT © 2007 BY DART AEROSPACE LTD ENGINEERING THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AIR OS SUPPLED ON THE EXPRESS CONDITION THAT IT IS POLLED COPY NOT TO BE USED FOR ANY PURPOSE OR COMPLIANCATED TO ANY OTHER PERSONNEY TO AMENDMENT WRITTEN PERMISSION FROM CART AEROSPACE LTD. SUBJECT TO AMENDMENT 2
		2 SUBJECT NOTICE
	1	WITHOUT ORDER

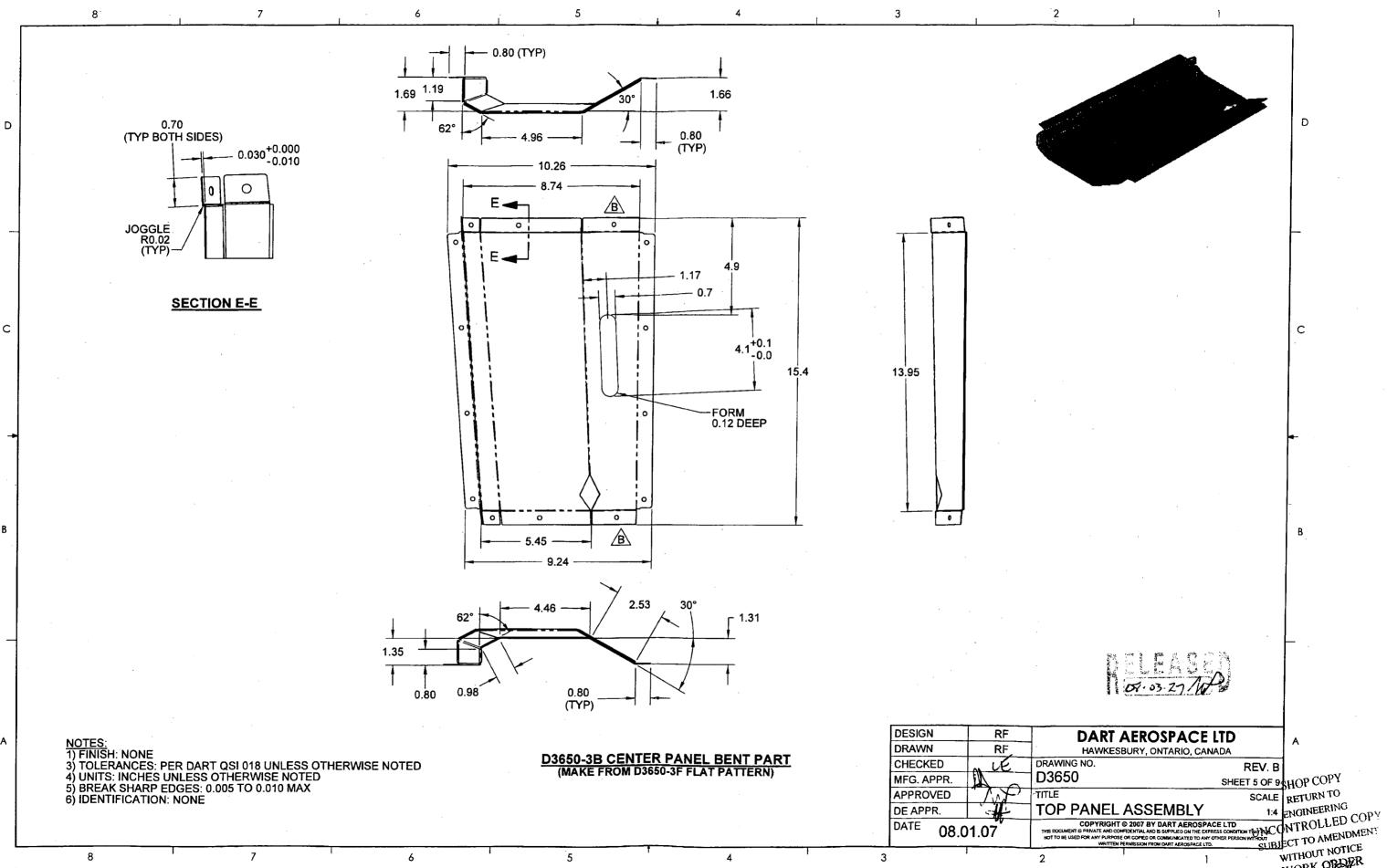
NOTES:
1) WELD PER QSI 004
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: NONE
7) WEIGHT: 1.0 lb
8) TRIM D3650-11 TO FIT AS REQUIRED

WITHOUT NOTICE
WORK ORDER

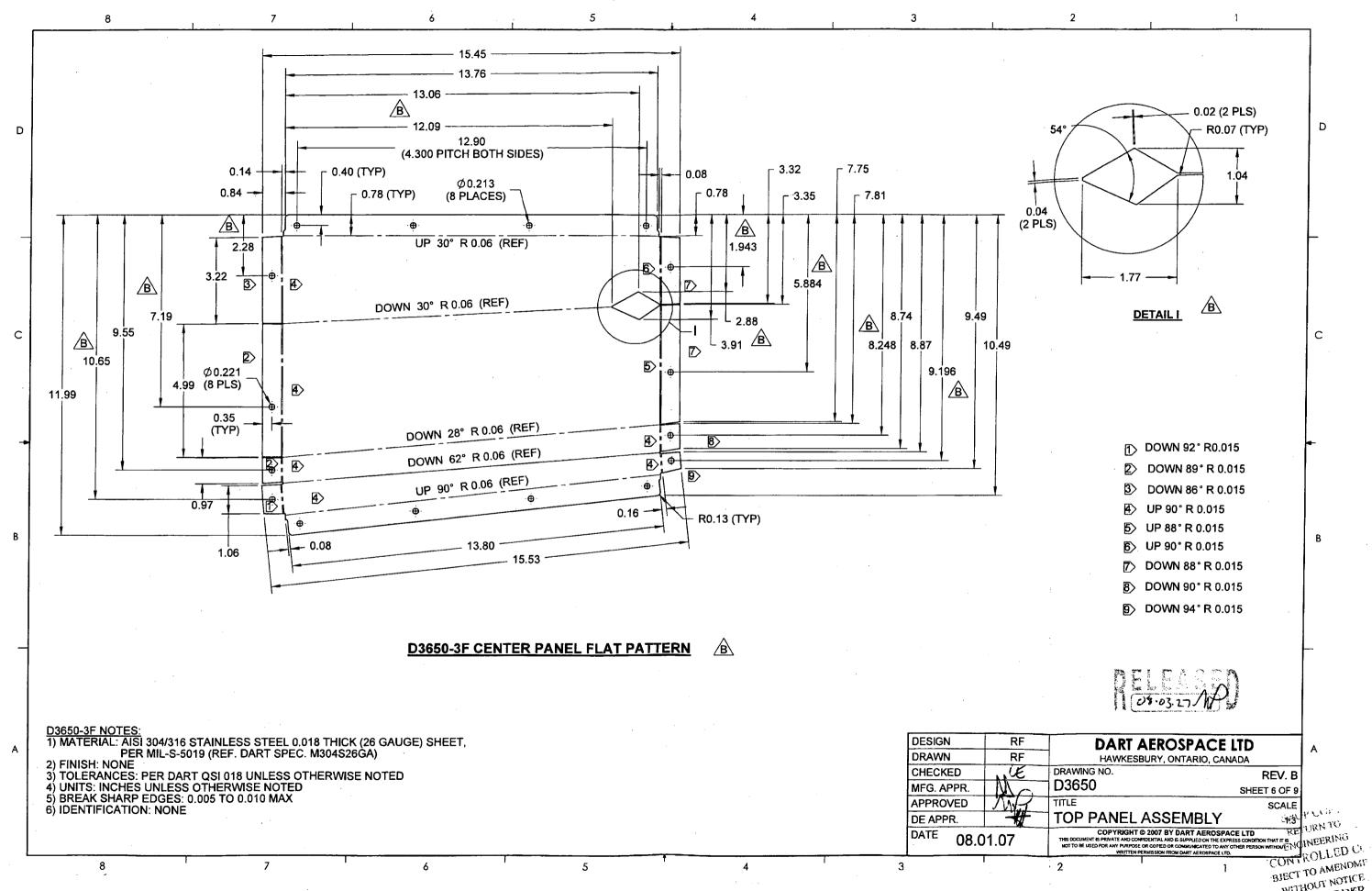
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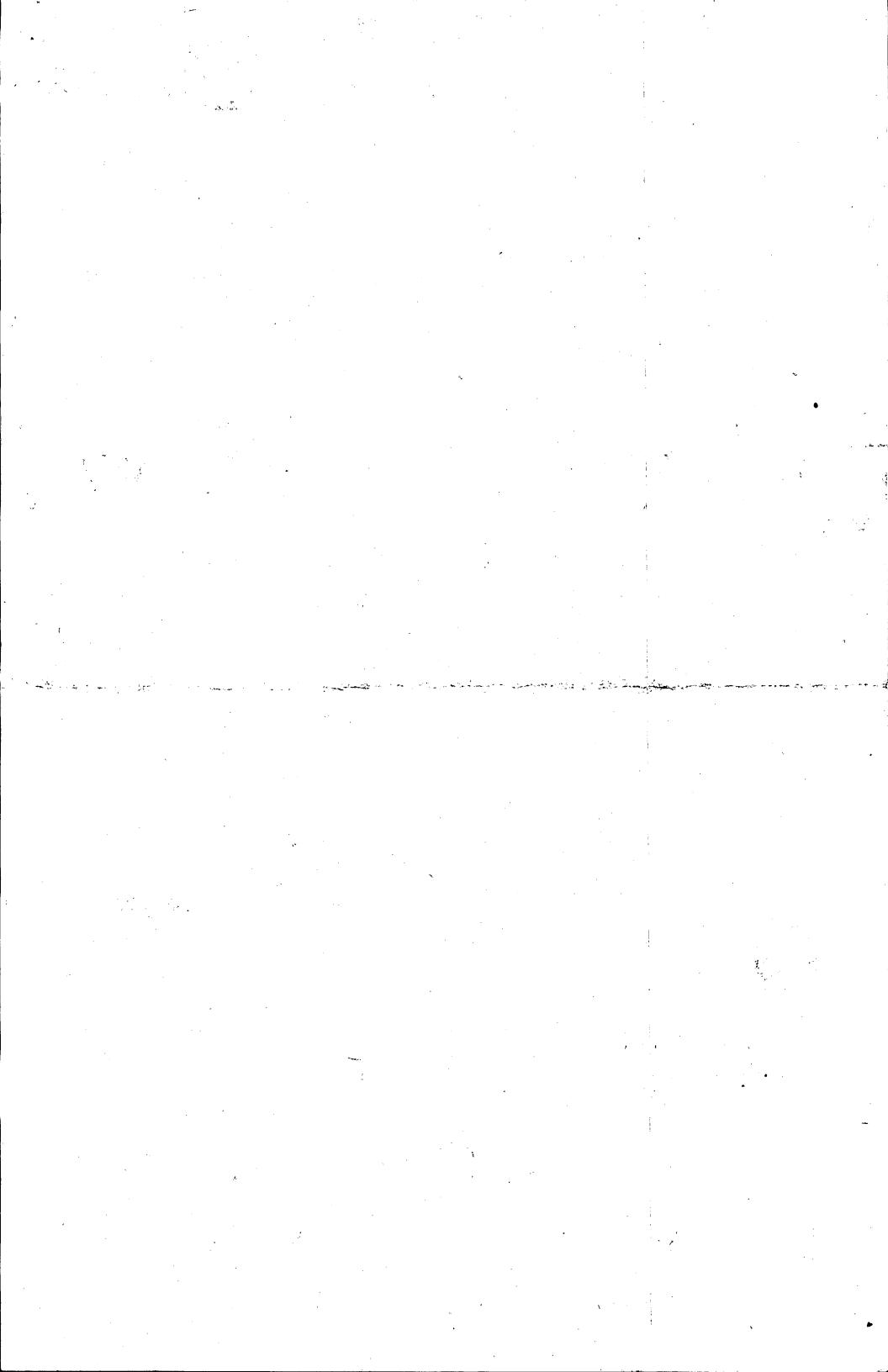
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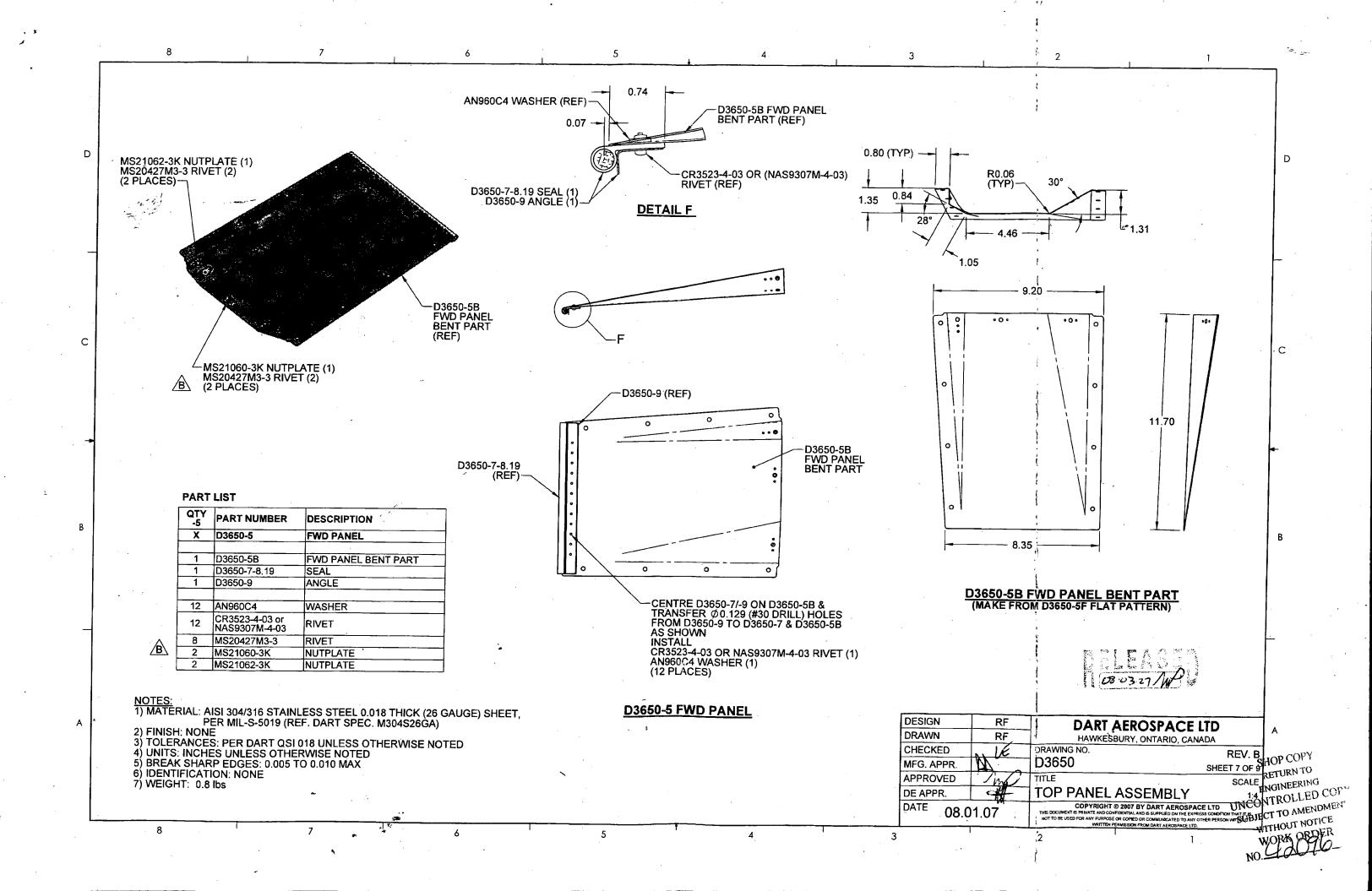


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-0.11 (TYP) -R0.13 (TYP) Ø0.21 (8 PLACES) 1.14 -1.93 UP 30° R0.06 (REF) DOWN 30 • RO. 06 (REF) B 5.87 8.23 8.34 -G 9.18 10.45 DOWN 28 ° RO.06 (REF) DOWN 62 RO.06 (REF) UP 90 ° R0.06 (REF) 1.17 0.40 (TYP) (3.370 PITCH BOTH SIDES) 0.78 (TYP)

D3650-5F FLAT PATTERN

NOTES: 1) MATERIAL: AISI 304/316 STAINLESS STEEL 0.018 THICK (26 GAUGE) SHEET, PER MIL-S-5019 (REF. DART SPEC. M304S26GA)

PER MIL-S-5019 (REF. DART SPEC. M304S26GA)

2) FINISH: NONE

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED

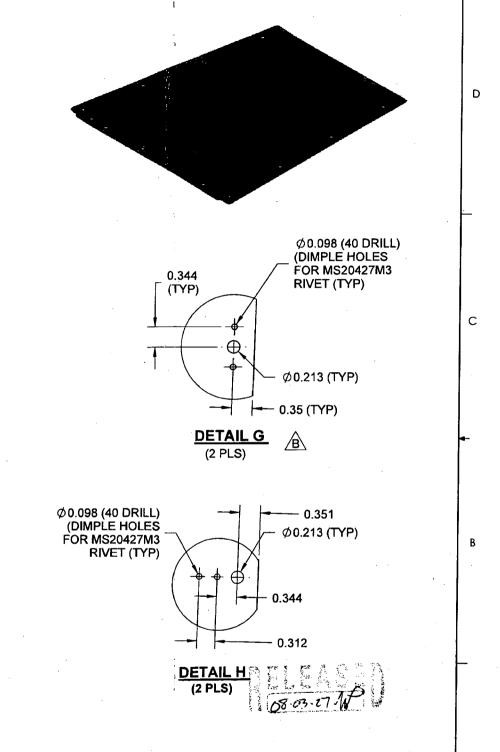
4) UNITS: INCHES UNLESS OTHERWISE NOTED

5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: NONE

7) WEIGHT: 0.6 Ib

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SIGN	RF	DART AEROSPACE	LTD	A
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APPR.		TOP PANEL ASSEMBLY	130	INEERING
08.0	1.07	COPYRIGHT © 2007 BY DART AEROSPA THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXE HOT TO BE USED FOR ANY PURPOSE OR COPED OR COMMUNICATED TO ANY WRITTEN PERMISSION FROM DART AEROSPACE LIT	configuration of the configura	10 VIAITIE
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